BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Name of work: Estimate for Repair works to Govt Hospital Building at Agrahara Layout in Ward No. 05 Byatarayanapura Sub Division

Sl. No.	Approved Qty.	Description	Unit	In Figures	In Words
1	162.00	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 141/ Item No. 19.1/ PWD SR 2016-17	cum	86.92	Rupees Eighty Six and Ninety Two Paise Only
2	90	KSRB 12-1.1 : Providing and laying in position to required level or slope 300mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints,including cost of materials, labour charges complete as per specifications. Specification Pg 70 item no 11.6 PWP & IWTD (2016-17)	mtrs	661.44	Rupees Six Hundred Sixty One and Forty Four Paise Only
3	90	KSRB 12-3.1 : Providing and laying in position plain cement concrete of mix M 7.5 using 40mm and down size graded granite / trap metal for haunching of 300mm internal diameter stoneware pipes, concrete machine mixed laid in layers not exceeding 15 cms thick, well compacted, including cost of materials, labour charges, form work, HOM of machinery, curing complete as per specifications. Specification Pg 71 item no 11.24 KPWD (2016-17)	Mrts	926.44	Rupees Nine Hundred Twenty Six and Forty Four Paise Only
4	3	KSRB 12-5.1 : Constructing brick masonry circular type manhole 1.22 m internal dia at bottom 1.68m deep and 0.56m dia at top with table moulded non-modular bricks of 50 class designation 50 in cement mortar 1:4, inside cement plastered 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and downsize granite metal and making necessary channel in cement concrete M 15 with 20mm and downsize granite metal finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diametre confirming IS :12592, total weight cover and frame to be not less than 182 kg, fixed in cement concrete 1:2:4, 20mm and downsize broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM of mechineries complete as per specifications. Pg 72 item no 11.40 KPWD (2016-17)	Nos	33324.28	Rupees Thirty Three Thousand Three Hundred Twenty Four and Twenty Eight Paise Only
5	162.00	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO - 6, I.NO - 2.11, PWD SR 16-17)	Cum	59.36	Rupees Fifty Nine and Thirty Six Paise Only

	pproved Qty.	Description	Unit	In Figures	In Words
6	3.15	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	Cum	6491.88	Rupees Six Thousand Four Hundred Ninety One and Eighty Eight Paise Only
7	0.13	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2016-17	Qntl	65455.56	Rupees Sixty Five Thousand Four Hundred Fifty Five and Fifty Six Paise Only
8	10.35	KSRB 6-2.3 Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2, Page No. 27/ Item No. 6.6/ PWD SR 2016-17	Cum	7219.80	Rupees Seven Thousand Two Hundred Nineteen and Eighty Paise Only
9	10.80	KSRB 9-18.1: Providing and fixing in position Honne wood fully panelled shutters for Windows with styles and rails of 30mm. thick, 75mm wide in two halves with panels of 20mm thick including cost of materials, labour charges, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No.9.34. Page No. 55/ Item No. 9.47/ PWD SR 2016-17	Sqm	4575.96	Rupees Four Thousand Five Hundred Seventy Five and Ninety Six Paise Only
10	18.90	KSRB 9-15-3 : Providing and fixing in position shutters for doors made out of Honne wood styles and rails of 30mm. thick with bottom and lock rails 180mm wide top rail and style 100mm wide as per drawing and panels of 18mm thick of exterior grade thick plain particle board including cost of materials, labour., HOM of machineries complete as per specifications. (excluding cost of fixtures) Page No. 55/ Item No. 9.42/ PWD SR 2016-17	Sqm	3341.52	Rupees Three Thousand Three Hundred Forty One and Fifty Two Paise Only
11	1.99	KSRB 9.4-1 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators, and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. KSRB 9.4-2 : -do- Honne wood frames Page No.51 / Item No. 9.11/ PWD SR 2016-17	Cum	111083.40	Rupees One Hundred Eleven Thousand Eighty Three and Forty Paise Only

	pproved Qty.	Description	Unit	In Figures	In Words
12	9.45	"SOLID PVC DOOR FRAMEProviding & fixing factory made PVC Door frame of size 50x47 mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2No.s of 150mm long brackets of 15x15 mm M.S. Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufactures specification & direction of Engineer-in charge Page No. 57/ Item No. 9.84/ PWD SR 2016-17	Sqm	568.08	Rupees Five Hundred Sixty Eight and Eight Paise Only
13	9.45	SOLID PANEL PRELAM PVC DOOR SHUTTERProviding & fixing 30mm thick factory made rigid foam prelam panelled Door Shutters made from M.S. tube of 19x19mm, 19 gauge for styles and 15x15mm for top & bottom rails, covered with heat moulded prelaminated PVC 'C' Channel of 5mm thick sheet & 30x50mm wide of form styles & 5mm thick & 75mm wide prelaminated PVC sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame, sealed to the styles &rails with PVC designer beading on either side & joined together with solvent cement adhesive etc., complete as per manufactures specification & direction of Engineer –in-charge fixed to frames with 3nos of 75mm. Aluminium hinges. With Both Side Prelam Page No. 58/ Item No. 9.85/ PWD SR 2016-17		4368.60	Rupees Four Thousand Three Hundred Sixty Eight and Sixty Paise Only
14	180.00	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Page No. 110/ Item No. 15.21 PWD SR 2016-17	Sqm	208.44	Rupees Two Hundred Eight and Forty Four Paise Only
15	180.00	KSRB 15-3.7:- Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.15/ PWD SR 2016-17	Sqm	263.52	Rupees Two Hundred Sixty Three and Fifty Two Paise Only
16	86.00	KSRB 15.3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 110/ Item No. 15.18 / PWD SR 2016-17	Sqm	238.68	Rupees Two Hundred Thirty Eight and Sixty Eight Paise Only
17	225.00	KSRB 15.3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No.114/ Item No. 15.18 / PWD SR 2016-17	Sqm	279.72	Rupees Two Hundred Seventy Nine and Seventy Two Paise Only
18	900.00	KSRB 15.15.3: Providing and applying painting in one coat with plastic emulsion paint of approved brand and manufacture on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications. Page No.114/ Item No. 15.52 / PWD SR 2016-17	Sqm	48.60	Rupees Forty Eight and Sixty Paise Only

	pproved Qty.	Description	Unit	In Figures	In Words
19	21.60	Providing and fixing Ceramic tiles of size 400x400mm for flooring, threads,steps and landing,laid on a bed of 20mm thick cement morta. 1:3 mix flush pointing with white cement mixed with matching colour pigment including curing, clearing etc. complete .The Worked including curing., clearing etc., complete, The work includes cost of all materials. Labour charges for all items or work, hire charges for equipment, etc., complete as per specification. Page No. 116/ Item No. 14.63 / PWD SR 2016-17		1161.00	Rupees One Thousand One Hundred Sixty One Only
20	74.03	KSRB 14.17.2: Providing skirting, dado, rises of steps with Colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface white should be measured and paid separately) using glazed tiles of approved make and size of materials, labour, complete as per specifications. Specification No. KBS 14.17. Page No. 103/ Item No. 14.41.1 / PWD SR 2016-17	Sqm	1157.76	Rupees One Thousand One Hundred Fifty Seven and Seventy Six Paise Only
21	270.00	SKSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. Page No. 114/ Item No. 15.53.2 / PWD SR 2016-17	Sqm	90.72	Rupees Ninety and Seventy Two Paise Only
22	191.00	Providing and fixing Special make glazed Vitrified tiles (Granomite finis) of approved make, quality and colour of sized 6000x600x10mm thick fixed on existing flooring wit ha special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. Page No. 104/ Item No. 14.43 / PWD SR 2016-17	Sqm	1285.20	Rupees One Thousand Two Hundred Eighty Five and Twenty Paise Only
23	667.80	KSRB 7.9:Providing and fixing M.S.gill work for windows and ventilators using M.S.flats, or M.S. square rods, or combination of M.S.flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 . (Page No : 32, item No :7.9)	Kgs	84.24	Rupees Eighty Four and Twenty Four Paise Only
24	12.00	Providing and fixing M.S Gate as per Cheaf Architect Drawing using 50mmX50mm 14 guage M.S hollow pipe frame work bent to ornamental shape as shape as shown in the drawing and 35mmX6mm and 16X16mm squre roads for verticals alternatively spaced at 4cms c/c in two halves and 40mmX6mm M.S flats for horizontal member and at at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of of rust and painted with anti corrosive paint (shop paint) etc., complete the work includes cost of all materials, labour charges for all item of work, hire charges of welding, cutting and grainding equipment, and electricity charges, with lead and lift loading and lunloading charges. etc., complete as per specification and drawing Page No.47/ I No. 7.37/ PWD SR 2016-17	Sqm	3168.72	Rupees Three Thousand One Hundred Sixty Eight and Seventy Two Paise Only

	pproved Qty.	Description	Unit	In Figures	In Words
25	266.67	5.29(b) Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. Page No. 25/ Item No. 5.30/ PWD SR 2016-17	Sqm	331.78	Rupees Three Hundred Thirty One and Seventy Eight Paise Only
26	**36.00**	KSRB 15-17.5: Applying **priming coat** over new wood surface and / or wood based surface preparing the surface after thoroughly cleaning oil, grease, dirt, and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications. Page No. 118/ Item No. 15.59 / PWD SR 2016-17	**Sqm**	**43.46**	Rupees Forty Three and Forty Six Paise Only
27	**36.00**	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with **enamel paint** to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.Page No. 119/ Item No. 15.60.1 / PWD SR 2016-17		**89.04**	Rupees Eighty Nine and Four Paise Only
28	**50.00**	Providing and fixing chlorinated poly veny chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing, this including jointing of pipes and fittings with one step CPVC solvent cement and the cost of cutting chases & making good the same including testing of joints complete.(concealed work including cutting chases and good the walls etc,),15mm nominal OD pipes Page No. 92/ Item No. 13.83.1/ PWD SR 2016-17	m	270.00	Rupees Two Hundred Seventy Only
29	**5.00**	KSRB 11-2 : Providing and fixing white vitreous china clay, water closets Orissa pattern of size 580 x 440mm with integral type footrests, 100m S or P trap, 10 litre low level, P. V. C. flushing cistern (all are approved make) with fittings, C.I. / M.S. brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.Specification No. KBS Page No. 78/ Item No. 12.2 PWD SR 2016-17	Unit	4682.88	Rupees Four Thousand Six Hundred Eighty Two and Eighty Eight Paise Only
30	**20.00**	Providing and fixing CI Nahani Trap of approved make conforming to ISI specifications and construction of cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot).10 cms x 7.5cms, Page No.91/ Item No. 12.113.1 PWD SR 2016-17	Each	270.00	Rupees Two Hundred Seventy Only
31	**20.00**	KSRB 13-6.1.2: Providing and fixing in position brass bib cock of approved quality 20mm, nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification NO. KBS 13.2.2 / 13.3Page No. 95/ Item No. 13.24 / PWD SR 2016-17	Each	262.44	Rupees Two Hundred Sixty Two and Forty Four Paise Only

	pproved Qty.	Description	Unit		
				In Figures	In Words
32	121.80	KSRB 7.15 : Providing, fabricating, assembling and fixing in position anodized aluminium partitions using aluminium sections of mat finish or glassy finish in combination of plain grove, single grove and double grove as per requirements for the frames of overall size 63.5mm x 38.1mm. with thickness of 2mm. having section weight, plain sections 1.05kg/m, single grove thickness 1.95mm. section weight 1.094kg/m, double grove thickness 1.9mm section weight 1.094kg/m and bottom member 114.3mm. x 44.45mm. thickness 3.18mm. weight 2.646 kg/m aluminium louvers section of size 36.5mm x 34.93mm 1.45mm. thick section weight 0.426kg/m; bottom portions provided with 12mm. thick pre-laminated sheet both sides of approved colour lamination exterior grade upto 0.9m height, spacing of vertical member not exceeding 0.6 m c to c; sections are cut to the required lengths, joints mitered and corners grinded subdividing frames tennoned and riveted to the frames; the assembled frame stiffened with corner angles, stripped and fixed with screws, rawl Plugs and teak wood gutties to R.C.C. columns on sides, R.C.C. lintels or beams at top and floor at bottom, including cutting chistelling and making good with cement mortar to match the surface; providing and fixing 5.5mm. thick plain glass for middle portion viz., 0.9mm to 2.13m. and top panel with louvers sections; the glass and panels fitted with glazing clips of 19mmx17.3mm of thickness 0.9mm. weight 0.124kg/m, aluminium sections treated for removal of any rust and prevention of further rust formation, coated with greasy materials for non-adherence of mortars or any other sticky materials; vertical members embedded in the flooring by making suitable sized holes and fixing with cement mortar, with necessary opening for fixing of door of standard sized (excluding cost of door) all the frame thoroughly cleaned, free from rust, scale or dirt including cost of materials, fixtures,	**Sqm**	3695.16	Rupees Three Thousand Six Hundred Ninety Five and Sixteen Paise Only
33	**2000.00**	Supppying water storage tanks made of virgin polymer (LLDPE) with two layers outer black of blue and inner white layer of approved quality and make, conforming to ISI / ISO / SSI specifications, No. 252/ Item No. 37.58 PWD SR 2016-17		6.48	Rupees Six and Forty Eight Paise Only
34	**67.50**	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (P.NO - 6, I.NO - 2.3, PWD SR 18-19)	Cum	316.94	Rupees Three Hundred Sixteen and Ninety Four Paise Only
35	**150.00**	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.NO - 94, I.NO - 13.73.2, PWD SR 18-19)	Mtr	394.32	Rupees Three Hundred Ninety Four and Thirty Two Paise Only
36	**67.50**	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO - 7, I.NO - 2.11, PWD SR 18-19)	Cum	128.26	Rupees One Hundred Twenty Eight and Twenty Six Paise Only

Sl. No.	Approved Qty.	Description	Unit		
				In Figures	In Words
37	37.50	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab	Sqm	2100.00	Rupees Two Thousand One Hundred Only

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Note:

1 Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)

2 Unit rates and prices shall be quoted by the Tender in Indian rupees.

3 Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)

4 Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))

"DTS Approved"

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ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ